

Portland is here because the Willamette River is here

# *working for clean rivers*

Environmental Services works to protect rivers, streets, groundwater and public health. In 2011, the bureau completed a 20-year program to control combined sewer overflows to the Willamette River and the Columbia Slough.

Sanitary, storm and combined sewer pipes are mainstays of Portland's wastewater and stormwater management system. The city is expanding its green stormwater management infrastructure to support the traditional pipe system and to keep stormwater runoff out of sewers.

Ecoroofs, trees, green streets, rain gardens and natural areas absorb rain, filter stormwater runoff and allow rain to soak into the earth. The city works with many partners to protect and restore open spaces that naturally manage stormwater.



[www.portlandoregon.gov/bes](http://www.portlandoregon.gov/bes)

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## SEWAGE COLLECTION

Portland's system collects sewage, stormwater and a combination of sewage and stormwater for treatment. The system includes more than 2,300 miles of pipe, and 100 pump stations.



## SEWAGE TREATMENT

Portland's Columbia Boulevard Wastewater Treatment Plant can treat up to 400 million gallons of sewage and stormwater per day during wet weather.



## STORMWATER MANAGEMENT

Managing stormwater at its source keeps runoff out of the sewer system, protects rivers and streams, adds greenspace and replenishes groundwater supplies.



## RESTORATION/PROTECTION

Removing invasive plants and restoring native plants protects natural areas, enhances fish and wildlife habitat, and promotes healthy urban watersheds.



## POLLUTION PREVENTION

The city monitors water quality in Portland's rivers and streams, investigates pollution reports, and works to ensure that commercial discharges don't harm the environment.



## WHAT YOU CAN DO

Plant trees, pick up and throw away pet waste, learn about natural gardening, explore non-toxic alternatives to household cleaners, and use an automatic car wash that recycles wash water.

